



1Z0-151^{Q&As}

Oracle Fusion Middleware 11g: Build Applications with Oracle Forms

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QUESTION 1

Which three statements are true about the PL/SQL Packages panel in the Forms debugger?

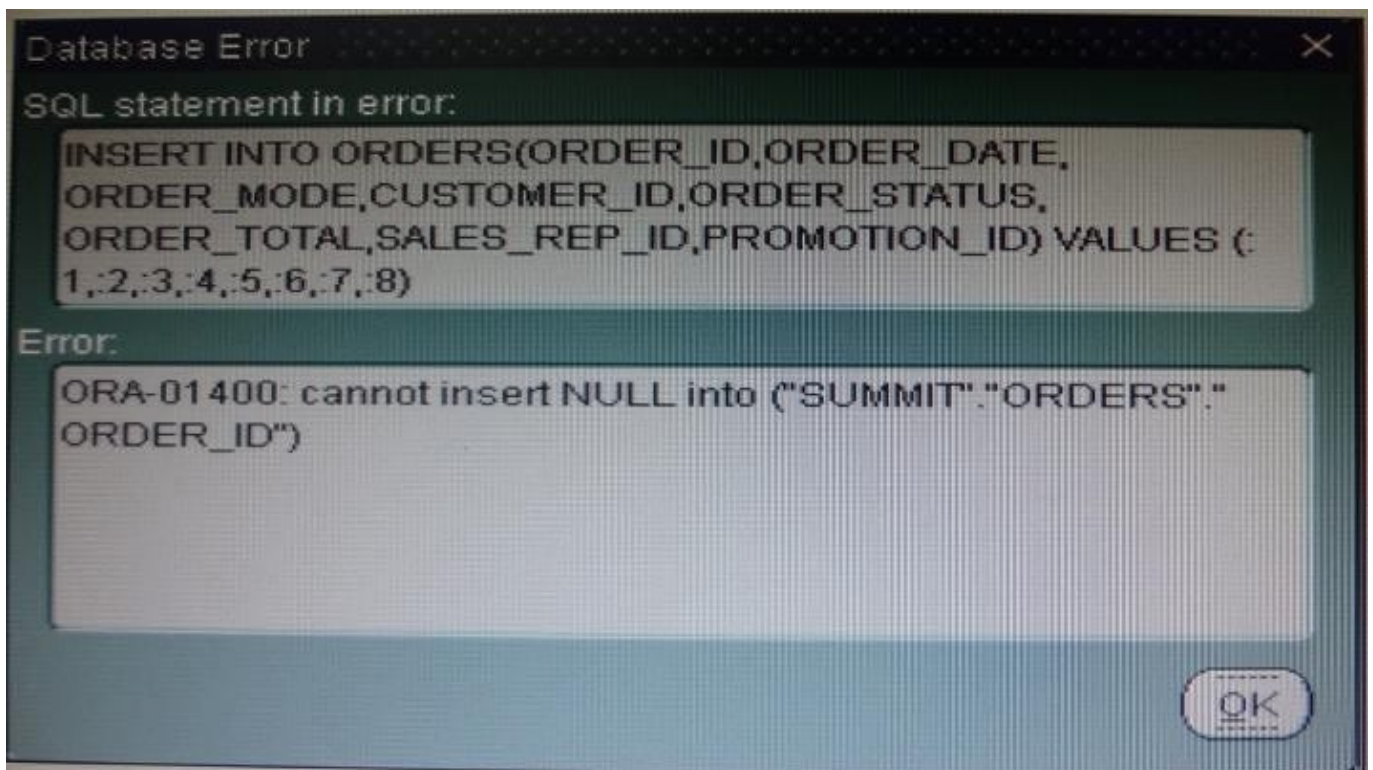
- A. You can select an option button to view server packages.
- B. You can view packages only while the runtime process executes PL/SQL.
- C. You can view the values of variables that are defined in the package specification.
- D. You can select an option button to view the packages that have not yet been instantiated.

Correct Answer: ABC

PL/SQL Packages Panel: This panel is used only to browse and examine the PL/SQL packages which are been instantiated while executing the form.

QUESTION 2

View the Exhibit.



You have placed the following code in a Post insert trigger on the Orders block:

```
SELECT orders_seq.NEXTVAL INTO :orders.order_id FROM SYS.dual;
```

You have also set Item properties for the Order_Id Item in the form so that users cannot directly enter an Order ID.

As the SUMMIT user, you run the form to test it. You are able to insert a record in the block, but when you click Save,



you have a database error as shown in the Exhibit.

What is the probable cause of this error?

- A. The code should be in Pre_insert trigger instead
- B. The code should be in a database trigger instead
- C. You should change the code to select the sequence number from SUMMIT.dual instead.
- D. You should create the sequence in the database, because the runtime error is an indication that it does not exist.
- E. You should assign a temporary value to the Order_Id item before saving the form.

Correct Answer: E

QUESTION 3

A user at a remote location reports a problem that occurs when the Orders; form runs and the user clicks the invoice button. You are not able to reproduce the problem, so you decide to use remote debugging.

The steps involved in diagnosing the problem are listed below, but they are ordered incorrectly. What is the correct sequence of Steps?

1.

You set a breakpoint in the When Button-Pressed trigger for the invoice button.

2.

The user's screen goes blank.

3.

The user reports the host and port to you.

4.

You use the debugger to step through the code.

5.

The user clicks a button that calls DEBUG.ATTACH.

6.

You attach to the user's process.

7.

You open the Orders.fmb file from which the running .fmx was generated.

8.



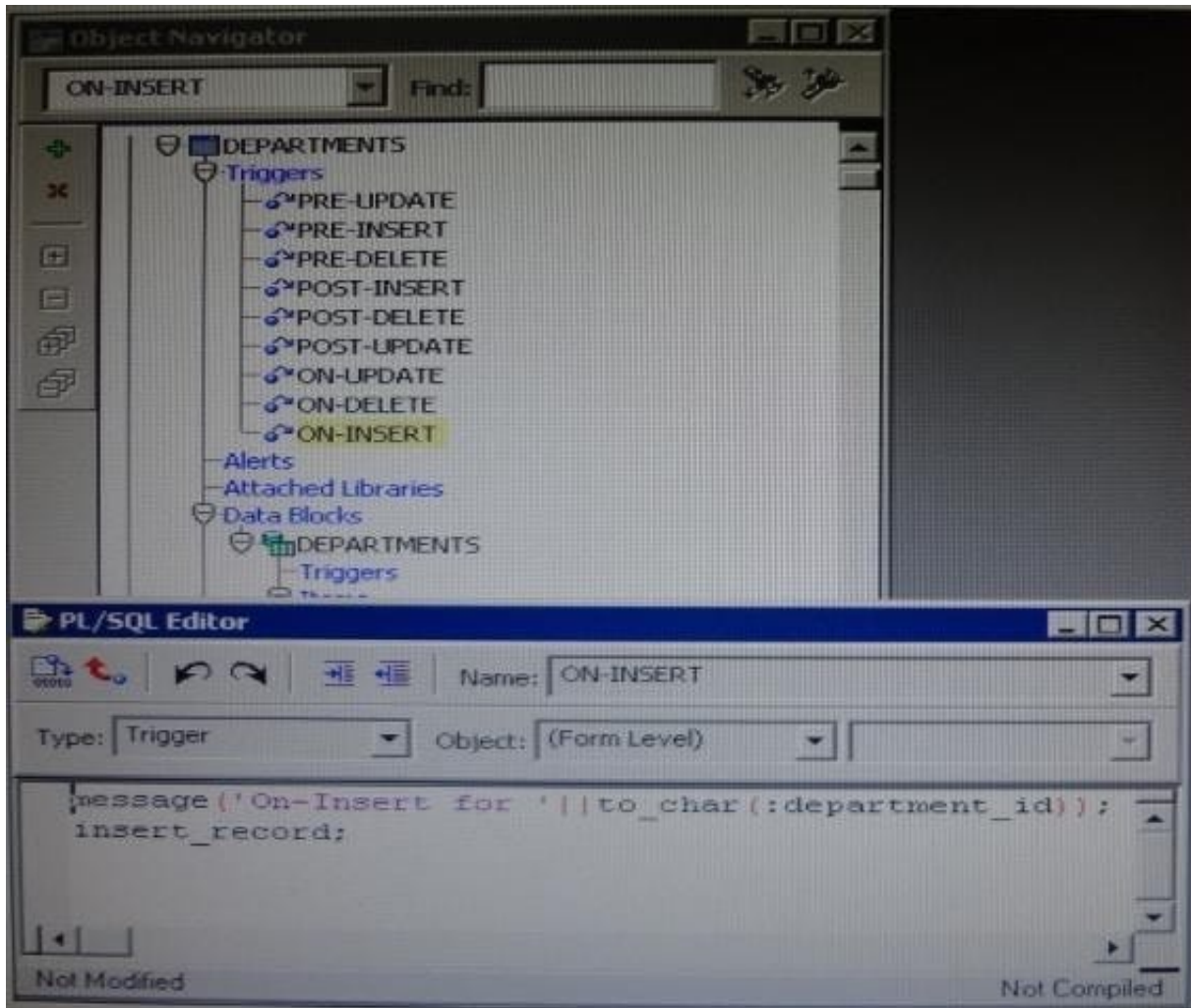
The user clicks the invoice button.

- A. 5, 3, 6, 7, 1, 8, 2, 4
- B. 8, 3, 6, 5, 4, 7, 1, 2
- C. 7, 1, 3, 6, 5, 1, 8, 4
- D. 3, 6, 5, 7, 8, 1, 2, 4

Correct Answer: A

QUESTION 4

View the Exhibit.



The Departments form has form level triggers defined as shown in the Exhibit. You have enabled array DML for the Departments block by setting its DML array size to 5 and setting the Primary Key property of Department id to Yes. You set runtime preferences for Forms Builder to use array processing.



You want to test that array processing is actually occurring, so, as shown in the Exhibit, the On- Update, On-Delete, and on insert triggers have code that:

1.

Displays a message to indicate which trigger is firing for which record?

2.

Does the thing (either updates, deletes, or inserts)

The other triggers simply display a message, indicating the trigger that is firing.

You run the form from Forms Builder, but from the messages, you can tell that array processing is not occurring. What should you change so that array DML gets implemented?

A. Delete the "On-" triggers; these triggers remove default processing, including array processing.

B. Set the DML array size to a value of 10 or greater; for array sizes less than 10, array processing is inefficient, and so is not performed.

C. Use the SYNCHRONIZE built-in after the MESSAGE built-in; otherwise, the message are not displayed until the processing is finished, giving the appearance that array processing is not taking place.

D. Set the Enforce Primary Key property of the Department block to Yes; it is not enough to just set the Department_Id to be the primary key.

Correct Answer: A

*

ON-INSERT

Override default processing for inserting a new row into the database during "post" processing Override the doDML() method in your entity class, and if the operation equals DML_INSERT, then write code instead of calling the super.

*

ON-DELETE

Override default processing for deleting a row removed from the data block from the database during "post" processing Override the doDML() method in your entity class, and if the operation equals DML_DELETE, then write code instead of calling the super.

*

ON-UPDATE

Override default processing for updating a row changed in the data block from the database during "post" processing

Note: Use Array Processing

Both Forms Developer and Reports Developer are able to take advantage of the Oracle database server's array processing capabilities. This allows records to be fetched from the database in batches instead of



one at a time, and results in significantly fewer calls to the database. The downside of array processing is that more space is required on the execution platform for storing the arrays of records returned.

If load on the network becomes a major bottleneck in the production environment, then set the Developer product's runtime ARRAYSIZE parameter to as large a value as possible for the execution environment.

Note 2:

Query Array Processing

The default behavior of Forms is to process records one at a time. With array processing, a structure (array) containing multiple records is sent to or returned from the server for processing. Forms supports both array fetch processing and array data manipulation language (DML) processing. For both querying and DML operations, you can determine the array size to optimize performance for your needs.

Note 3: You can enable array processing for queries by:

*Setting preferences:

-Select Edit > Preferences.

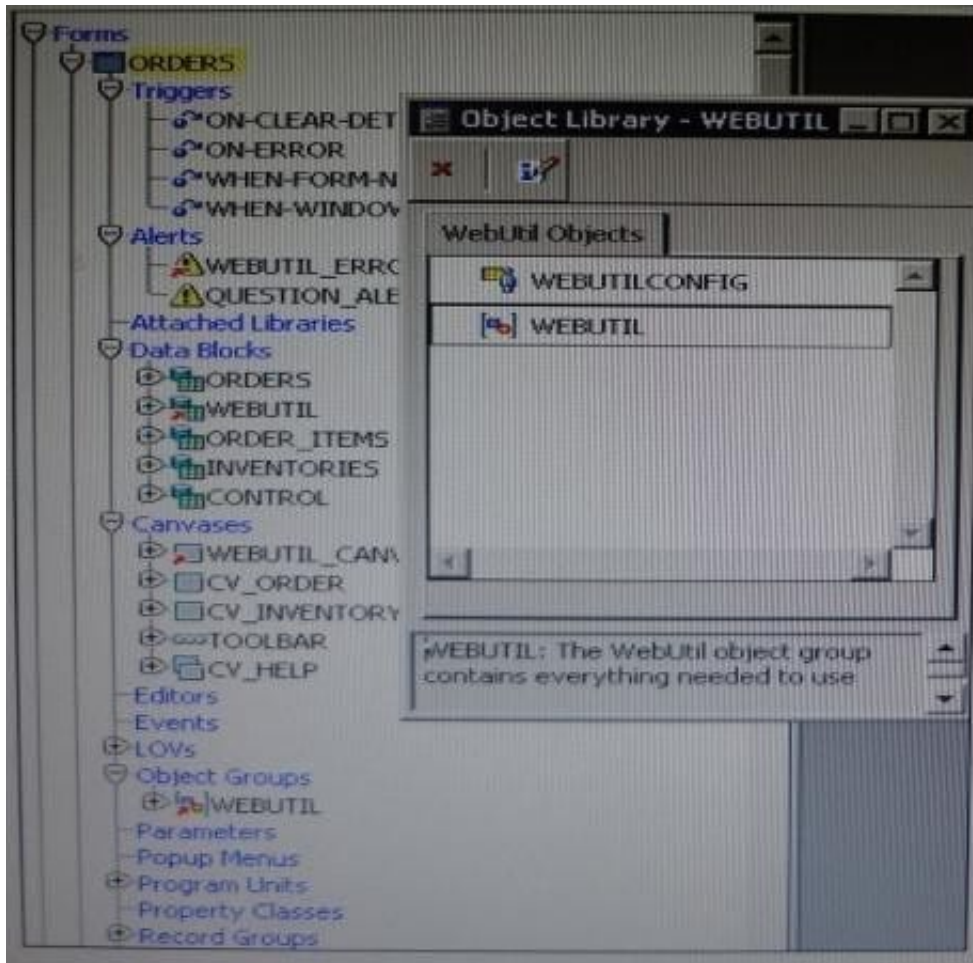
-Click the Runtime tab.

-Select the Array Processing check box.

* Setting block properties: -In the Object Navigator, double -click the node of the block to display the PropertyPalette.
-Under the Records category, set the Query Array Size property to a number that represents the number of records in the array for array processing

QUESTION 5

View the Exhibit.



You have begun the process of integrating WebUtil into the Ordes form. What two additional steps must be completed yet?

- A. Write a Pre Form trigger to register WebUtil JavaBeans.
- B. Attach the WebUtil PL/SQL library to the form.
- C. Subclass the webUtilConfig parameter from the WebUtil object library into the form.
- D. Define WebUtil events that the form listens and responds to.
- E. Move the WebUtil data block to the last position under the Data Blocks node in the Object Navigator.
- F. Move the WebUtil data block to the first position under the Data Blocks node in the Object Navigator.

Correct Answer: CE

Integrating WebUtil into a Form

Step 1: Attaching the WebUtil Library (This has already been done in this scenario not B) To use the functions of WebUtil in a Forms application, you must first attach the webutil.pll library to any module that will use the WebUtil PL/SQL API. Select the Attached Libraries node in the Orders form and click Create.

This invokes the Attach Library dialog box, in which you can browse to the location of webutil.pll



Step 2: Subclassing WebUtil Forms Objects (C)

Part of the WebUtil utility is a set of Forms objects contained in webutil.olb . This object library contains an object group called WebUtil, which you can subclass into your form.

E: A data block named WEBUTIL; ensure that this is the last block in the Navigator.

Reference: Oracle Fusion Middleware 11g, Build Applications with Oracle Forms, Integrating WebUtil into a Form

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